

In the Claims

For the convenience of the Examiner, all pending claims of the present Application are shown below whether or not an amendment has been made.

1. (Previously Presented) A method for providing services for wireless data calls, comprising:
establishing a wireless data call with a mobile device;
monitoring the content of communications with the mobile device on the wireless data call;
detecting in the content a predefined event associated with a wireless data call service;
initiating the service for the wireless data call in response to detecting the predefined event in the content;
wherein the predefined event comprises a match of a uniform resource locator (URL) requested for access by the mobile device with a particular URL; and
wherein the wireless data call service comprises a web service associated with the URL requested for access.

2. (Canceled)

3. (Canceled)

4. (Canceled)

5. (Canceled)

6. (Canceled)

7. (Canceled)

8. (Canceled)

9. (Previously Presented) The method of Claim 1, further comprising:
detecting in the content a plurality of predefined events together associated with a wireless data call service; and
initiating the service for the data call in response to detecting a predefined number of the predefined events.

10. (Withdrawn) The method of Claim 1, further comprising:
monitoring a wireless network maintaining the wireless data call for a network-based event associated with a network directed service for the wireless data call; and
initiating the network directed service for the wireless data call in response to detecting the network-based event.

11. (Withdrawn) The method of Claim 10, wherein the network-based event comprises a data alert.

12. (Withdrawn) The method of Claim 10, wherein the network-based event comprises a status of facility change.

13. (Canceled)

14. (Canceled)

15. (Canceled)

16. (Canceled)

17. (Canceled)

18. (Canceled)

19. (Previously Presented) The method of Claim 1, wherein the web service comprises denying the mobile device access to the web site of the URL requested for access.

20. (Previously Presented) The method of Claim 1, wherein the web service comprises automatically redirecting the mobile device to a different URL than the URL requested for access.

21. (Canceled)

22. (Previously Presented) The method of Claim 1, wherein the web service comprises billing a user of the mobile device for accessing the URL requested for access.

23. (Withdrawn) The method of Claim 10, wherein the network directed service comprises announcements from the wireless network.

24. (Withdrawn) The method of Claim 10, wherein the network directed service comprises advertisements from the wireless network.

25. (Withdrawn) The method of Claim 10, wherein the network directed service comprise delivery of news content.

26. (Previously Presented) The method of Claim 1, further comprising:
detecting in the content a plurality of predefined events, each associated with a wireless data call service; and

initiating a service for the wireless data call in response to detecting the associated predefined event.

27. (Original) The method of Claim 1, wherein the predefined event comprises a service trigger, further comprising retrieving the service trigger from a service agent at setup of the data call.

28. (Original) The method of Claim 1, wherein the predefined event comprises a service trigger, further comprising:

retrieving a plurality of service triggers from a service agent for the data call at call setup;
monitoring the wireless data call for a service trigger; and
initiating a service associated with the service trigger for the wireless data call in response to detecting the service trigger.

29. (Canceled)

30. (Previously Presented) The method of Claim 1, further comprising monitoring the content of communications with the mobile device on the wireless data call in real-time.

31. (Previously Presented) A system for providing services for wireless data calls, comprising:
a computer processable medium; and
logic stored on the computer processable medium, the logic operable to:
establish a wireless data call with a mobile device;
monitor the content of communications with the mobile device on the wireless data call;
detect in the content a predefined event associated with a wireless data call service; and
initiate the service for the wireless data call in response to detection of the predefined event in the content;
wherein the predefined event comprises a match of a uniform resource locator (URL) requested for access by the mobile device with a particular URL; and
wherein the wireless data call service comprises a web service associated with the URL requested for access.

32. (Canceled)

33. (Canceled)

34. (Canceled)

35. (Canceled)

36. (Canceled)

37. (Canceled)

38. (Canceled)

39. (Previously Presented) The system of Claim 31, the logic further operable to:

detect in the content a plurality of predefined events together associated with a wireless data call service; and

initiate the service for the data call in response to detecting a predefined number of the predefined events.

40. (Withdrawn) The system of Claim 31, the logic further operable to monitor a wireless network maintaining the wireless data call for a network-based event associated with a network directed service for the wireless data call and to initiate the network directed service for the wireless data call in response to detecting the network-based event.

41. (Withdrawn) The system of Claim 40, wherein the network-based event comprises a data alert.

42. (Withdrawn) The system of Claim 40, wherein the network-based event comprises a status of facility change.

43. (Canceled)

44. (Canceled)

45. (Canceled)

46. (Canceled)

47. (Canceled)

48. (Canceled)

49. (Previously Presented) The system of Claim 31, wherein the web service comprises denying the mobile device access to the web site of the URL requested for access.

50. (Previously Presented) The system of Claim 31, wherein the web service comprises automatically redirecting the mobile device to a different URL than the URL requested for access.

51. (Canceled)

52. (Previously Presented) The system of Claim 31, wherein the web service comprises billing a user of the mobile device for accessing the URL requested for access.

53. (Withdrawn) The system of Claim 40, wherein the network directed service comprises announcements from the wireless network.

54. (Withdrawn) The system of Claim 40, wherein the network directed service comprises advertisements from the wireless network.

55. (Withdrawn) The system of Claim 40, wherein the network directed service comprise delivery of news content.

56. (Previously Presented) The system of claim 31, the logic further operable to:

detect in the content a plurality of predefined events, each associated with a wireless data call service; and

initiate a service for the wireless data call in response to detecting the associated predefined event.

57. (Original) The system of claim 31, wherein the predefined event comprises a service trigger, the logic further operable to retrieve the service trigger from a service agent at setup of the data call.

58. (Original) The system of claim 31, wherein the predefined event comprises a service trigger, the logic further operable to retrieve a plurality of service triggers from a service agent for the data call at call setup, monitor the wireless data call for a service trigger, and initiate a service associated with the service trigger for the wireless data call in response to detecting the service trigger.

59. (Canceled)

60. (Previously Presented) The method of claim 31, the logic further operable to monitor the content of communications with the mobile device on the wireless data call in real-time.

61. (Previously Presented) A system for providing services for wireless data calls, comprising:

means for establishing a wireless data call with a mobile device;

means for monitoring the content of communications with the mobile device on the wireless data call;

means for detecting in the content a predefined event associated with a wireless data call service;

means for initiating the service for the wireless data call in response to detection of the predefined event in the content;

wherein the predefined event comprises a match of a uniform resource locator (URL) requested for access by the mobile device with a particular URL; and

wherein the wireless data call service comprises a web service associated with the URL requested for access.

62. (Canceled)

63. (Canceled)

64. (Canceled)

65. (Canceled)

66. (Canceled)

67. (Canceled)

68. (Canceled)

69. (Previously Presented) The system of Claim 61, further comprising:
means for detecting in the content a plurality of predefined events together associated with a wireless data call service; and
means for initiating the service for the data call in response to detecting all of the predefined events.

70. (Withdrawn) The system of Claim 61, further comprising:
means for monitoring a wireless network maintaining the wireless data call for a network-based predefined event associated with a network directed service for the wireless data call; and
means for initiating the network directed service for the wireless data call in response to detecting the network-based predefined event.

71. (Withdrawn) The system of Claim 70, wherein the network-based predefined event comprises a data alert.

72. (Withdrawn) The system of Claim 70, wherein the network-based predefined event comprises a status of facility change.

73. (Canceled)

74. (Canceled)

75. (Canceled)

76. (Canceled)

77. (Canceled)

78. (Canceled)

79. (Previously Presented) The system of Claim 61, wherein the web service comprises denying the mobile device access to the web site of the URL requested for access.

80. (Previously Presented) The system of Claim 61, wherein the web service comprises automatically redirecting the mobile device to a different URL than the URL requested for access.

81. (Canceled)

82. (Previously Presented) The system of Claim 61, wherein the web service comprises billing a user of the mobile device for accessing the URL requested for access.

83. (Withdrawn) The system of Claim 70, wherein the network directed service comprises announcements from the wireless network.

84. (Withdrawn) The system of Claim 70, wherein the network directed service comprises advertisements from the wireless network.

85. (Withdrawn) The system of Claim 70, wherein the network directed service comprise delivery of news content.

86. (Withdrawn) A wireless access system, comprising:
wireless signaling management system and a gateway operable to establish and maintain a wireless data call between a mobile device and the Internet;
the wireless signaling management system operable to communicate with a network service layer to provision the gateway with service triggers for the wireless data call; and
the gateway operable to monitor content of the wireless data call for the service triggers and to initiate service logic associated with a service trigger upon detection of the service trigger for the wireless data call.

87. (Withdrawn) The wireless access system of Claim 86, the wireless signaling management system further operable to monitor the network service layer for network-directed service triggers for the data call and to initiate service logic associated with a network-directed service trigger upon detection of the network-directed service trigger for the data call.

88. (Withdrawn) The wireless access system of Claim 86, wherein the service logic is operable to perform prepaid calling card services.

89. (Withdrawn) The wireless access system of Claim 86, wherein the service logic is operable to perform location based services.

90. (Withdrawn) The wireless access system of Claim 86, wherein the service logic is operable to perform web filtering services.

91. (Withdrawn) The wireless access system of Claim 86, wherein the service logic is operable to perform quality of service (QoS) based billing services.

92. (Withdrawn) The wireless access system of Claim 86, wherein the service logic is operable to perform uniform resource locator (URL) based billing services.

93. (Withdrawn) The wireless access system of Claim 86, wherein the wireless signaling management system comprises an air agent.

94. (Withdrawn) The wireless access system of Claim 86, wherein the air gateway is operable to monitor content of the wireless data call for the service triggers in real-time and to initiate service logic associated with a service trigger upon detection of the service trigger for the wireless data call.

95. (Canceled)

96. (Canceled)

97. (Withdrawn) The system of Claim 95, further comprising:
means for monitoring a wireless network maintaining the wireless data call for a network-based event associated with a network directed service for the wireless data call; and
means for initiating the network directed service for the wireless data call in response to detecting the network-based event.

98. (Canceled)

99. (Canceled)

100. (Canceled)

101. (Canceled)

102. (Canceled)

103. (Previously Presented) A method for providing services for wireless data calls, comprising:

- establishing a wireless data call with a mobile device;
- monitoring the content of communications with the mobile device on the wireless data call;
- detecting in the content a predefined event associated with a wireless data call service;
- initiating the service for the wireless data call in response to detecting the predefined event in the content; and

wherein the predefined event comprises a use of transmission resources in excess of a predefined amount.

104. (Previously Presented) The method of Claim 103, wherein the use of transmission resources in excess of a predefined amount comprises a use of transmission resources in a forward direction from the mobile device to a wireless network in excess of a predefined amount.

105. (Previously Presented) The method of Claim 103, wherein the use of transmission resources in excess of a predefined amount comprises a use of transmission resources in a reverse direction from a wireless network to the mobile device in excess of a predefined amount.

106. (Previously Presented) The method of Claim 103, wherein the wireless data call service comprises a prepaid calling card service limiting access to the Internet based on the use of transmission resources.

107. (Previously Presented) The method of Claim 106, wherein the prepaid calling card service limiting access to the Internet based on the use of transmission resources limits access to the Internet to a predefined amount of time.

108. (Previously Presented) The method of Claim 106, wherein the prepaid calling card service limiting access to the Internet based on the use of transmission resources limits transmission with the Internet to a predefined volume.

109. (Previously Presented) The method of Claim 108, wherein the predefined volume comprises a predefined number of transmission bytes and further comprising:

determining that a number of transmitted bytes exceeds the predefined number of transmission bytes;

transmitting any packets in a transmit queue; and

discarding subsequent packets received for transmission.

110. (Currently Amended) A method for providing services for wireless data calls, comprising:

establishing a wireless data call with a mobile device;

monitoring the content of communications with the mobile device on the wireless data call;

detecting in the content a predefined event associated with a wireless data call service;

initiating the service for the wireless data call in response to detecting the predefined event in the content;

wherein the predefined event comprises a quality of service (QoS) event reduction; and

wherein the wireless data call service comprises altering billing for the data call ~~reducing a bill for a user of the mobile device.~~